



Cem Mutlu

Software Developer / Electronics Engineer

Software developer with thorough hands-on experience in all levels of development, including performance, analysis, back-end and front-end development. I am a supportive and enthusiastic team member and always excited about new challenges.

Date of birth
29 Sep 1991
Marital Status
Married
Military Status
Exempt

+1 (647) 450 5327
linkedin.com/in/cem-mutlu
github.com/cemmutlu
hackerrank.com/cem_mutlu

cem.mutlu@outlook.com
www.cemmutlu.com
stackoverflow.com/users/2651417

Education

2009 • **Electronics Engineering** Sep 2009 - Jul 2015 (5 years 11 months)
Istanbul Technical University www.itu.edu.tr
Bachelor of Science
GPA:2.5/4

Experiences

2020 • **Software Development Engineer II** Nov 2020 - Now (10 months)
Amazon www.amazon.com

2020 • **Back End Developer - Remote** Jan 2020 - Oct 2020 (9 months)
Hack & Craft hackandcraft.com

Architecting new solutions from the ground up
Working closely with the quality assurance teams and designers
Extend existing software solutions and infrastructure

- C#
- MsSQL
- Azure Functions
- CosmosDb
- F#
- NancyFx
- Azure Webjobs
- Angular
- TeamCity
- Azure Storage
- Docker
- Kubernetes

2016 • **Lead Software Developer** Sep 2016 - Dec 2019 (3 years 4 months)
Apsiyon www.apsiyon.com

Wrote maintainable and extensible code in a team environment.
Implemented new features, fixed errors and improved performance on existing legacy project.
Migrated services from existing legacy system to .net core environment.
Implemented a unified authentication project that is used in all projects.

- .Net Core
- ASP.NET MVC
- MsSQL
- OAuth2
- C#
- Angular 5
- Scrum
- TFS
- ASP.NET Webforms
- MongoDB
- MsSQL
- EF Core
- ASP.NET Web API
- Redis
- TSQL
- TDD

2015 ● **Lead Software Developer** Jul 2015 - Aug 2016 (1 years 1 months)
 Pinnera www.pinnera.com

Provided leadership and mentoring to the development team.
 Designed and developed a real time messaging tool that is used in B2B projects.
 Managed complete development lifecycle of several small-scaled projects.

- SignalR
- LESS
- ASP.NET
- MVC
- Redis
- MsSQL
- Azure

2012 ● **Software Developer** Jul 2012 - Jul 2015 (3 years)
 Pinnera www.pinnera.com

Wrote a data mining library
 Implemented ANN, Genetic Alg., Decision Tree L. and several Clustering Alg.
 Designed and developed Pinnera Analyzer Windows Form Project.
 Rapidly prototyped new capabilities to confirm feasibility
 Developed a web based data mining tool for SMEs
 Designed and developed a web ERP tool for factories

- C#
- WinForms
- ASP.NET MVC
- ASP.NET Web API
- EF
- MsSQL
- ML

● Projects

2018 ● **Modalite.net** Jan 2018 - Mar 2018 (2 months)
www.modalite.net

Modalite.net is a search engine for fashion. It brings together products from different websites and currently has more than 1 million products in the database.

- C#
- .NET Core
- EF Core
- ML

2017 ● **DTSharp** Mar 2017 - Jul 2017 (5 months)
github.com/cemmutlu/DTSharp

DTSharp is a .net decision tree learning library. It uses an algorithm similar to ID3 and C4.5 to generate a decision tree. It provides various split qualifiers (such as GiniImpurity, InformationGain, Entropy) and supports using continuous features as well as discrete features. It also supports Entity Framework and can transfer the processing load to the database.

2017 ● **DriveX** Jan 2017 - Jun 2017 (5 months)
microsoft.com/en-us/p/s/9nblggh40m9k

DriveX is a simple and challenging drift & parking game with addictive gameplay and realistic car physics. I used Win2D for graphics and designed a custom engine for physics and collision detection.

- C#
- UWP
- MVVM
- Win2D

● Certificates

2017 ● **English Proficiency** Apr 2017

IELTS

Listening: 7.0, Reading: 8.5, Writing: 5.5, Speaking: 6.0

2016 • **MPN Competency: Application Dev. for Technical**

Microsoft Partner University

Microsoft Azure, Microsoft SQL Server 2012, Microsoft Visual Studio 2012

Sep 2016